

searching Seq1 library

Comparison of:

(A) AE015579 >AE015579 (681 nucleotides) - 681 nt

(B) Seq1 >Seq1 (678 nucleotides) - 678 nt

using matrix file DNA

75.7% identity in 678 nt overlap; init: 1548, opt: 1557

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      10      20      30      40      50      60
AE0155 ATGGAACCGATTAAAAATTTGCCTCGTCTGTGTCGTACGTTGGGGTATGAGTTCAAGAAT
X::::::::: :::::::::::::: :: :::: :::: :: :: :::::::::::::: ::::
Seq1   ATGGAACCCATTAAAAATTTGCCGCGTTTGTGCCGTACTTTAGGTTATGAGTTCAATAAT
      10      20      30      40      50      60

      70      80      90     100     110     120
AE0155 CTTGACCTTCTAACCCAAGCGTTGACCCATAGAAGTGCGGCAAATAAGCACAATGAACGT
:::: : :: : :: :: :: :: :: :: :: :: :: :::::::::: :: :::: ::::
Seq1   ATTGAATTACTTATTTCAGGCCTTAACACATCGTAGCGCAGCAAATAAACATAATGAGCGT
      70      80      90     100     110     120

     130     140     150     160     170     180
AE0155 TTAGAGTTTTTtaggcgattcaatTTTTATCGATTGTGATTTcagacgccttATATCATCAG
:::::::::::: :::: :::: :::: :::: :::: :::: :::: :::: :::: ::::
Seq1   TTAGAGTTTTTtaggtgattcGATTTTATCGATAGCCATTTcAGATGCCTTATATCATCAG
     130     140     150     160     170     180

     190     200     210     220     230     240
AE0155 TTTCTTAAGGCGACTGAGGGTGATTTGAGCCGGATGCGCGCCACCTTAGTACGCGGTGAT
::::: :::::::::: :::: :::: :::: :::: :::: :::: :::: ::::
Seq1   TTTCAAAGGCGACTGAAGGTGATTTAAGCCGAATGCGCGCCACTTTAGTCAAAGGTGAC
     190     200     210     220     230     240

     250     260     270     280     290     300
AE0155 ACGCTCACCTTGATTGCTCAAGCATTTAAGCTCGGGGATTATTTATTTTTAGGCCCTGGC
::::: :: : :: :: :: :: :: :: :: :: :: :::::::::: : :::: ::::
Seq1   ACGCTGACAATCATAGCTAAAGAGTTCAAGCTAGGTGATTATTTGTATTTAGGTCCTGGT
     250     260     270     280     290     300

     310     320     330     340     350     360
AE0155 GAGTTAAAGAGTGGTGGTTTTAGGCGCGAGTCGATTCTGGCCGATGCGGTCGAGGCGATT
:: : :: :::::::::: :::: :::: :::: :::: :::: :::: :::: ::::
Seq1   GAACTCAAAAGTGGTGGCTTTAGACGCGAATCTATTTTAGCTGATGCTGTAGAGGCTATT
     310     320     330     340     350     360

     370     380     390     400     410     420
AE0155 ATCGGGGCAATTTACTTAGATTCCGACCTCGAAGTGTGCCGTCAGTTGTTGCTTAATTGG
:: :: :: : :: : :::: : :: : :::::::::: :: : :: : :: : ::::
Seq1   ATTGGTGCTGTCTATCTTGATGCTGATATTGAAGTGTGCCGCAAGCTATTATTATCATGG
     370     380     390     400     410     420

     430     440     450     460     470     480
AE0155 TACGCCGAGCGTTTGGCTGAGATCCAACCCGGTATTAATCAAAAAGACGCTAAAACCTTA
:: :::::::::: :::: :::: :::: :::::::::::::: :: :: :: ::
Seq1   TATCAAGAGCGTTTAGCTGAGATTAAACCGGTATTAATCAAAAAGATCCGAAGACAATA
     430     440     450     460     470     480

     490     500     510     520     530     540
AE0155 CTGCAAGAATATTTACAAGGGTTAAAGAAGCCGCTACCCGATTACCAAGTAATCAATATA
::::::::: : :::: :::: :::: :::: :::: :::: :::: :::: ::
Seq1   TTGCAAGAATACCTGCAAGGTTTTAAAAGCCATTGCCTGATTACCAAGTTGTTGCAGTA
     490     500     510     520     530     540

     550     560     570     580     590     600
AE0155 GAAGGCGATGCCACGATCAAACATTCACTGTTGAATGTCGTATAGATGACTTGAGCCAA
::::: :: :::: :::: :::: :::: :::: :::: :::: :::: ::::
Seq1   GAAGGTGAAGCCCATGATCAAACCTTCACCGTAGAATGTAAAATTAGTGAATTAGATAAA
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      550      560      570      580      590      600
      610      620      630      640      650      660
AE0155 AGCGTGATAGGTGTAGCGAGTTCGCGCCGCAAAGCCGAGCAAATTGCCGCCGCTCAAGTA
      :: :  ::::: :: :::::  :  :  ::::: :: ::  ::::: ::::: ::
Seq1   GTTGTCACCGGTGTGGCAAGTTCAAGAAGAAAAGCTGAACAGCTTGCCGCTGCTCAGGTA
      610      620      630      640      650      660

      670
AE0155 TTGGAGTTACTGAAGAAA
      ::::: :::::X :::
Seq1   TTGGAGCTACTGAATAAA
      670
```

100.0% identity in 10 nt overlap; init: 40, opt: 40

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      50
AE0155 AGTTCAAGAA
      X::::::::::X
Seq1   AGTTCAAGAA
      620
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